

symbol of leadership



in printing telegraphy

BULLETIN 1079B

PART I

SIGNAL DISTORTION TEST SET

(DXD)

TELETYPE®

CORPORATION

SUBSIDIARY OF *Western Electric Company* INC.

SKOKIE, ILLINOIS, U.S.A.

symbol of leadership



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PARTS

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(DXD)

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LIST OF EFFECTIVE PAGES

JULY, 1962

(Supersedes September, 1959 Issue)

Page Number	Change In Effect
A to D	Change 1
1 to 18	Change 1

The above list indicates the effective pages as of the date of issue. Upon receipt of Change Pages, insert them numerically and discard any superseded pages.

VARIATIONS IN SIGNAL DISTORTION TEST SETS CATALOGED IN THIS BULLETIN					
Teletype Code	DXD1	DXD3	DXD5	DXD200** (DXD200AA formerly DXD4)	DXD800**
Bell System Code				1A**	1B**
Code	5 Unit	6 Unit	5 Unit	5 Unit	11 Unit
Transmits repeated R, Y or test message	Yes	Yes	Yes	Yes	Yes
Transmits repeated T, O, M, V, LETTERS, BLANK or code length marking impulse	No	No	Yes	Yes	Yes
Brake (for signal measuring scale ring)	Included	Not Included	Not Included	Not Included	Not Included
Hood (for improved visibility of code signals)	Not Included	Not Included	Included	Included	Included
Switch (for stop pulse)	Not Included	Not Included	Included	Included	Included
Line and Power Cords	Not Included	Power cord Included	Included	Included	Included
Associated Motor Units (See Note 1)	MU4, MU26	MU4, MU26	MU4, MU29	MU4, MU26	MU4, MU26
Wiring Diagram	2151WD	1653WD	2196WD	1653WD	4769WD

The double asterisk () designates a two-letter suffix which indicates the paint finish. See color code chart below.

NOTE 1

For best results a synchronous motor unit should be used. If regulated AC power is not available, governed motors may be used but the signal viewed on the stroboscope will be somewhat unstable.

COLOR CODE CHART (For parts and assemblies requiring a paint finish)		
Teletype Code	Bell System Code	Paint Finish
AA	37	Black Wrinkle
AB	40	Gray Green Wrinkle
AC	39	Light Brown Wrinkle
AD	38	Dark Brown Wrinkle
suffix to be applied following the part number		

BELL SYSTEM ONLY

When ordering parts from this bulletin, prefix each number with the letters TP.

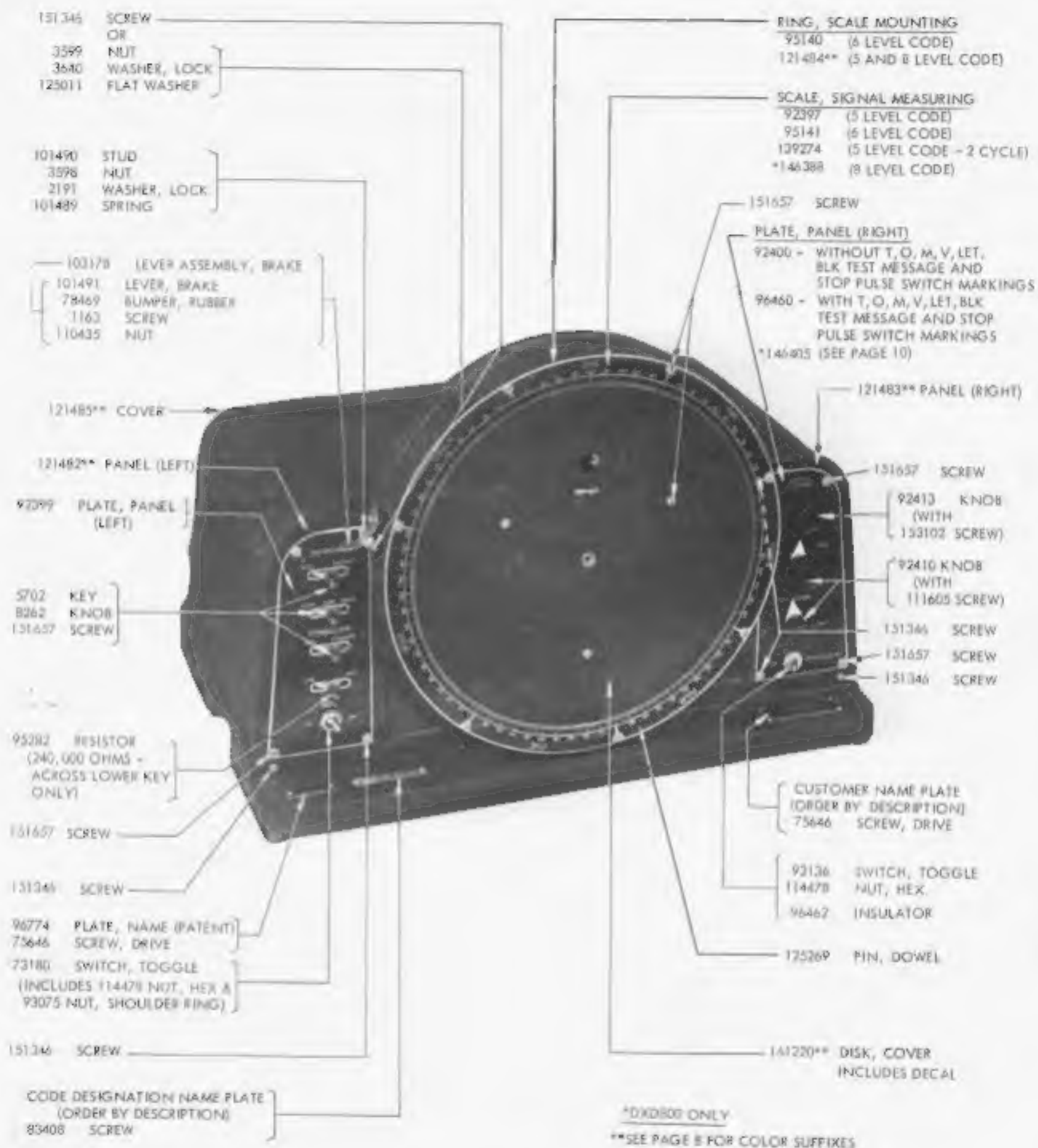
TELETYPE TO BELL SYSTEM DESIGNATION CONVERSION LIST
FOR UNITS AND PARTS SHOWN IN THIS BULLETIN

DXD200**	1A** Teletypewriter Test Set
DXD800**	1B** Teletypewriter Test Set
MU4	15D Motor Unit
3043	1BAM Resistor
5702	2C (Spec. D123355) Cam Key - Less Knob
8262	W132717 Knob
73497	347A Plug (Red Shell)
77310	Name Plate "Bell System Service"
81825	152C Capacitor
96473	1A Set of Gears (368 O.P.M. 60 Cycle Synchronous)
96474	1B Set of Gears (460 O.P.M. 60 Cycle Synchronous)
96572	1C Set of Gears (368 O.P.M. A.C. or D.C. Governed)
96573	1D Set of Gears (460 O.P.M. A.C. or D.C. Governed)
103236	347B Plug (Black Shell)
110897	1E Set of Gears (600 O.P.M. 60 Cycle Synchronous)
120465	Code Plate "Teletypewriter Test Set"

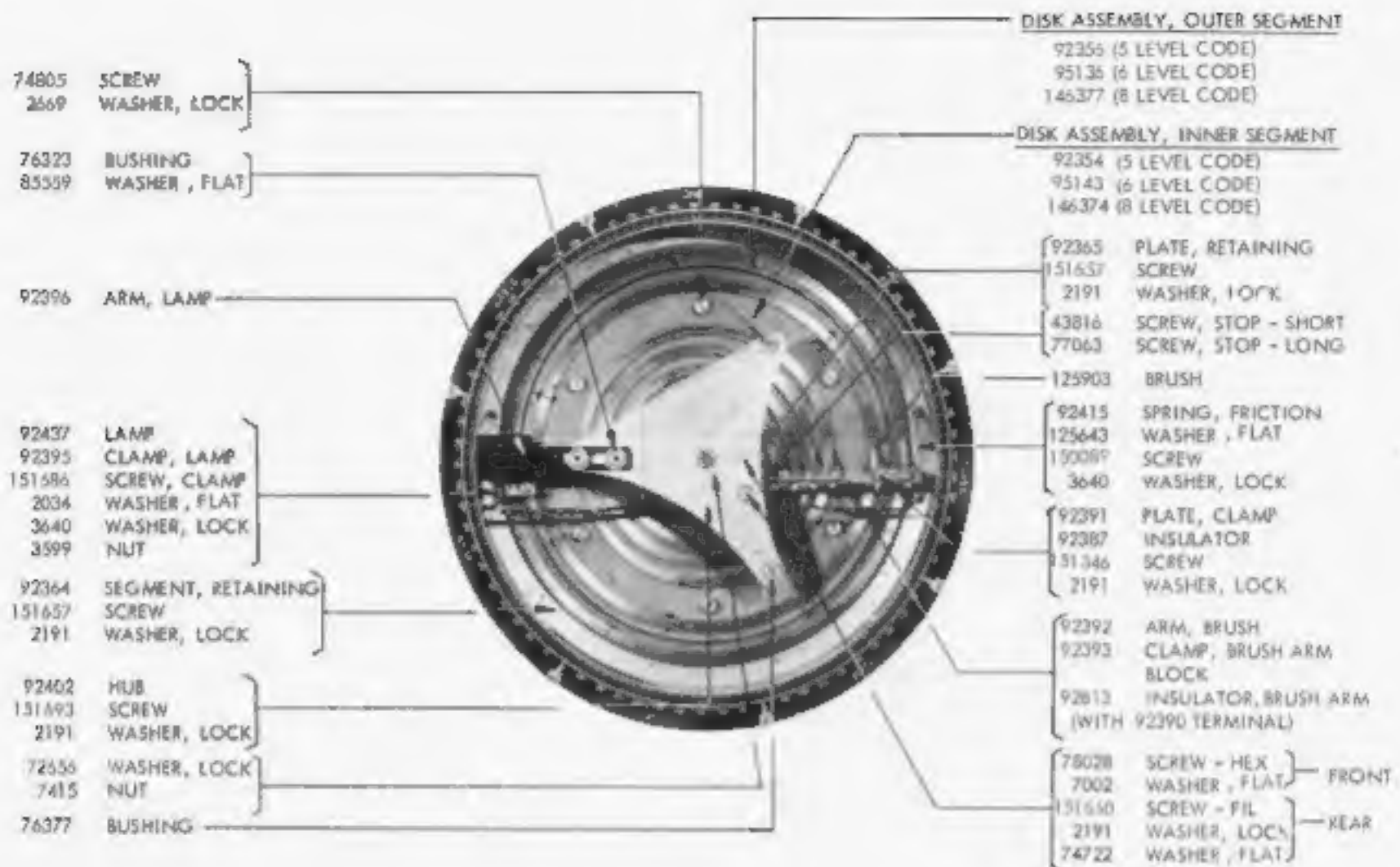
**SEE PAGE B FOR COLOR SUFFIXES

ALPHABETICAL INDEX

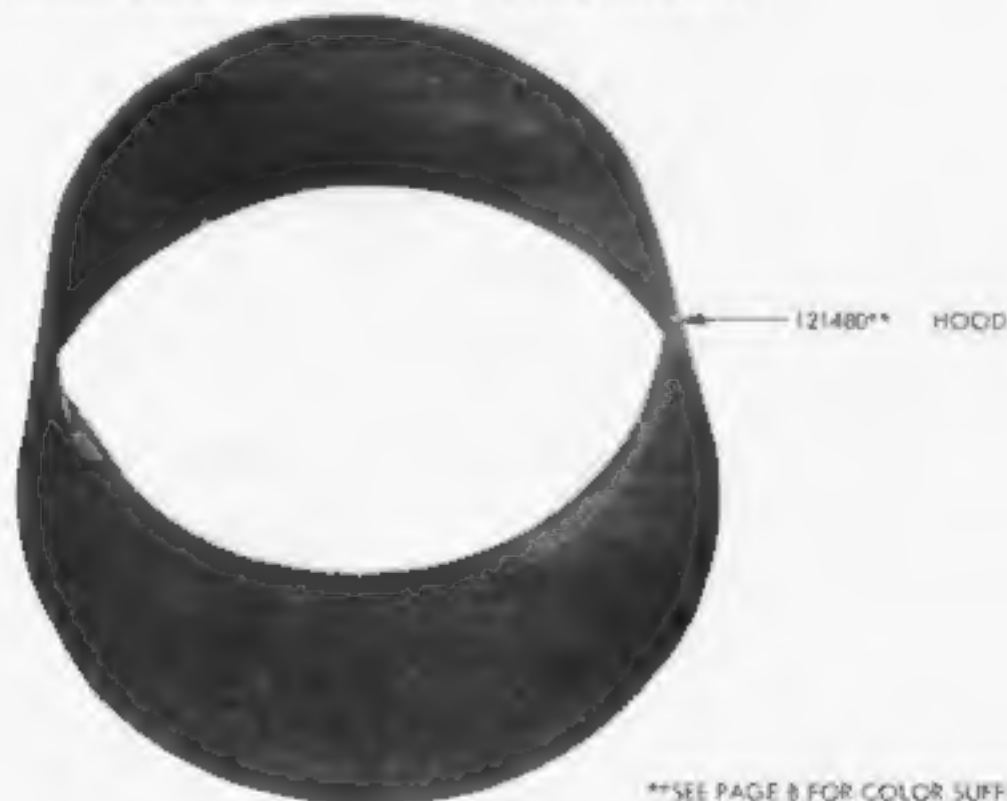
DESCRIPTION	PAGE NUMBER
Base Plate	5
Brake Lever	1
Brake Pulley	4
Brushes	2
Cables	5,10,11
Code Cylinders	4
Code Disks	7,8
Capacitors	5,6
Contacts	3,10,11
Cover	1
Gear Sets	12,13,14
Gears	3,4,12,13,14
Hood	2
Lamp	2
Line Cords	5
Modification Kit to Equip Unit with Interchangeable Segment Code Disks	7
Modification Kit to Equip Unit with Alternate R-Y Relay	11
Motor Units	12,13,14
Power Cord	5
Rectifier Assembly	9
Resistors	5,6
Resistor Units	6
Segment Disk Assemblies	2
Signal Measuring Scale	1
Switches	1,10,11
Terminal Blocks	4,5,12,13,14



FRONT VIEW

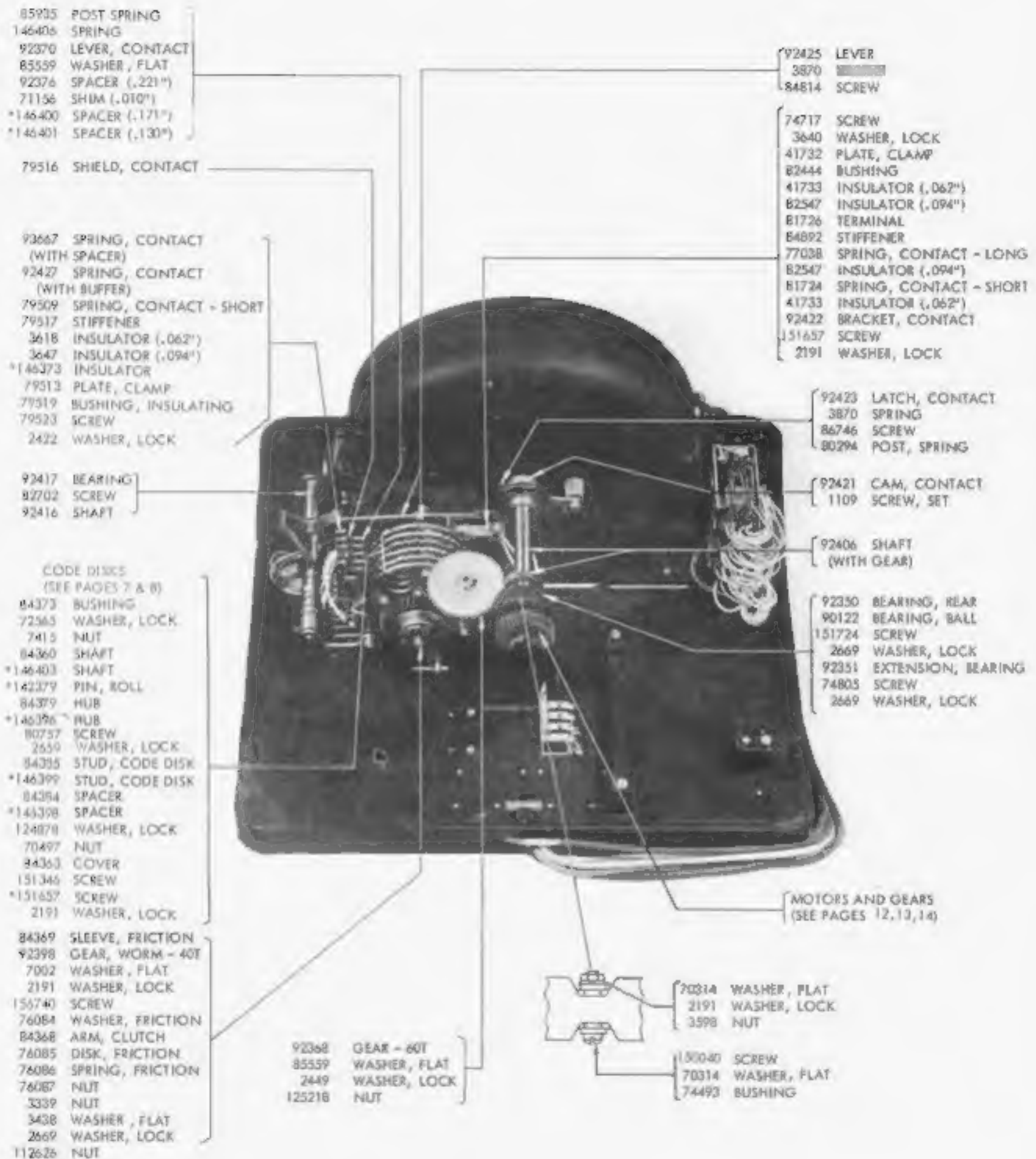


PARTIAL FRONT VIEW WITH COVER DISK REMOVED



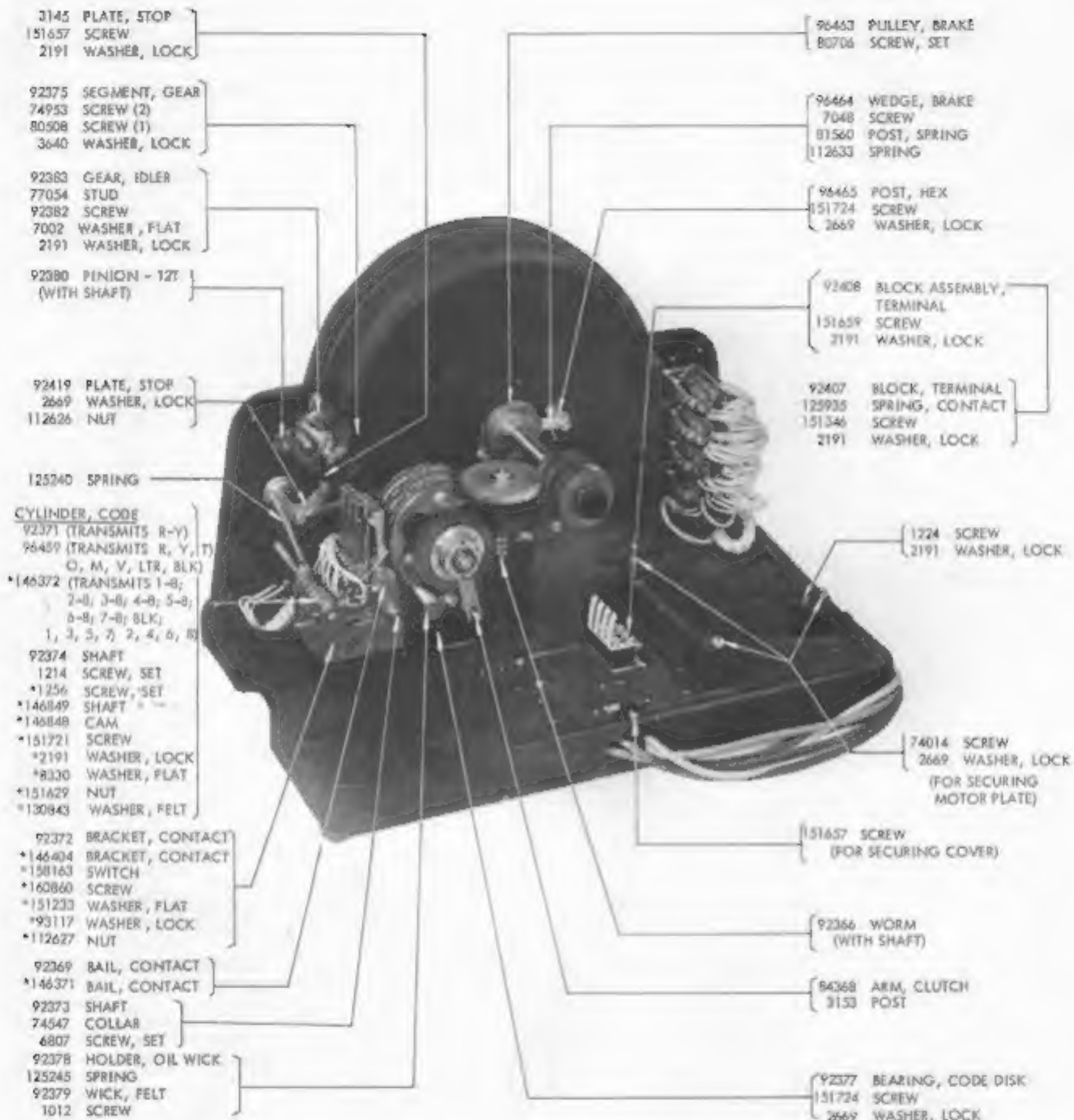
FRONT VIEW OF HOOD

**SEE PAGE 8 FOR COLOR SUFFIXES



*OXD800** ONLY

TOP VIEW - COVER REMOVED



*DXD800** ONLY

REAR VIEW - COVER REMOVED

102164 PLATE, NAME
(UNDER TERMINAL BLOCKS)

- 9546 BRACKET
- 5 346 SCREW
- 2 91 WASHER, LOCK
- 114627 RESISTOR (100 OHMS)
- 82610 RESISTOR (100 OHMS)
- 64 RESISTOR (100 OHMS)
- *114626 SCREW
- 77902 SCREW
- 7002 WASHER, FLAT
- 2 91 WASHER, LOCK
- 75750 WASHER, FIBER
- *4654 STRIP, TERMINAL
- *56 40 SCREW
- *2 91 WASHER, LOCK
- *91184 RESISTOR (240K OHMS)
- 8 4 CAPACITOR (100 PF)
- 45 4 SCREW
- 7640 WASHER, LOCK
- 82 54 BRUSHING, FIBER
- 605 SCREW
- *90196 WASHER, FIBER
- *9 WASHER, LOCK
- *7002 WASHER, FLAT
- 51442 SCREW
- 2169 WASHER, LOCK
- 8 54 CLAMP, CABLE
- 1442 SCREW
- 2609 WASHER, LOCK
- 34416 WASHER, FLAT
- 23538 CLAMP, CABLE
- 78430 CLAMP, CABLE
- 3 SCREW
- 2449 WASHER, LOCK

- *10 10 CLAMP, CABLE
- *1 34 CLAMP, CABLE
- 4 SCREW
- 3669 WASHER, LOCK

03223 CORD ASSEMBLY, LINE - BLACK PLUG (1 CONDUCTOR)
FOR 10V DC. CONSISTS OF 103236 PLUG (BLACK SHELL)
AND 03235 CORD WITH TERMINALS

10322 CORD ASSEMBLY, LINE - RED PLUG (1 CONDUCTOR)
FOR 110 V DC. CONSISTS OF 73497 PLUG (RED SHELL)
AND 03225 CORD WITH TERMINALS

03231 CORD ASSEMBLY, LINE - BLACK PLUG (2 CONDUCTORS)
FOR STROBOSCOPE, CONSISTS OF 103236 PLUG (BLACK SHELL)
AND 103234 CORD WITH TERMINALS

03230 CORD ASSEMBLY, LINE - RED PLUG (2 CONDUCTORS)
FOR SIGNAL LINE, CONSISTS OF 73497 PLUG (RED SHELL)
AND 103234 CORD WITH TERMINALS

99763 CORD ASSEMBLY FOR MOTOR POWER CONSISTS OF
99762 PLUG (2 PRONGS) AND 99819 CORD WITH TWO
82474 TERMINALS

* 84510 CORD - FOR POWER

*EXD800** ONLY

- 80460 CLAMP, CABLE
- 153839 SCREW
- 2191 WASHER, LOCK

- 76117 BLOCK ASSEMBLY, TERMINAL
- 51318 SCREW
- 2191 WASHER, LOCK

- 76118 BLOCK, TERMINAL
- 026 SCREW
- 3650 WASHER, FLAT

- RESISTOR UNIT (SEE PAGE 6)
- 151331 SCREW
- 2191 WASHER, LOCK
- 7002 WASHER, FLAT

- 3043 RESISTOR (250 OHMS)
- 50710 SCREW
- 2191 WASHER, LOCK
- OR
- 78011 CAPACITOR (1 MF)
- 78103 SCREW
- 2191 WASHER, LOCK
- 3094 INSULATOR
- 23013 STRAP MOUNTING

- *92204 CLAMP, CABLE
- 8402 CLAMP, CABLE
- 153839 SCREW
- 2449 WASHER, LOCK

- 35503 FOOT, RUBBER
- 153839 SCREW
- 123013 WASHER, FLAT

- 80708 CLAMP, CABLE
- 45319 SCREW
- 3640 WASHER, LOCK

NOT
SHOWN

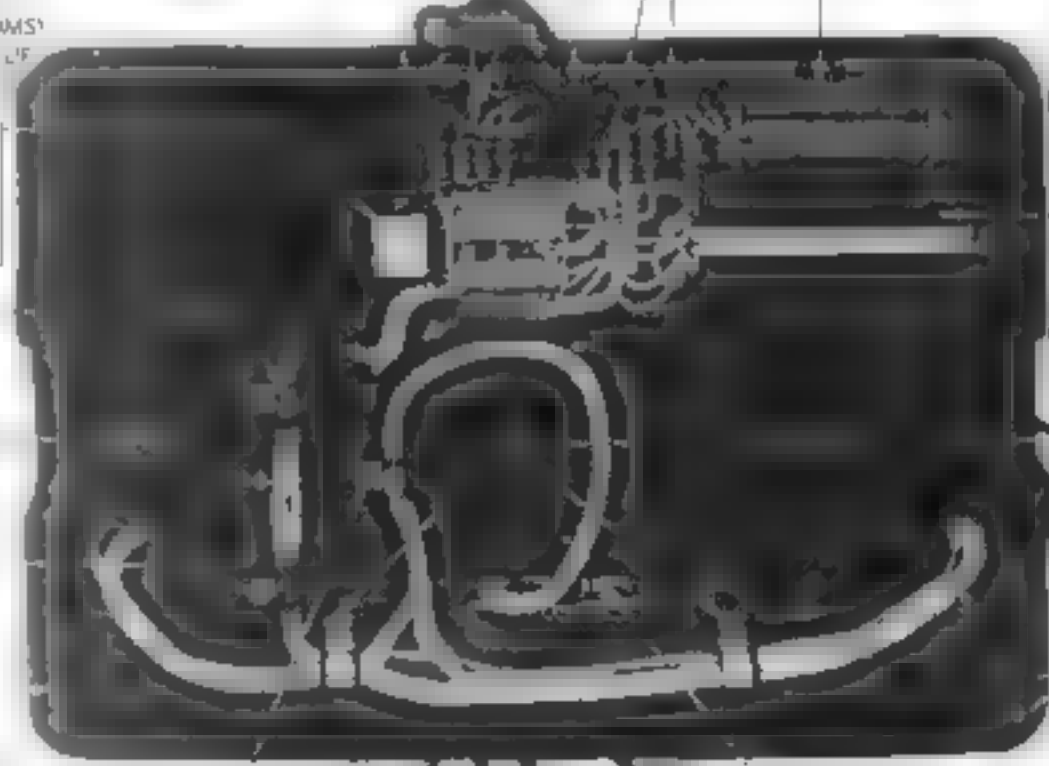
- 92420 PLATE, BASE
- 151657 SCREW
- 2191 WASHER, LOCK

CABLES

- 93706 DISTRIBUTOR
- *45402 DISTRIBUTOR
- 93707 MOTOR

WIRING DIAGRAMS

- DXD1 - 2151WD
- DXD4 - 1613WD
- DXD5 - 2196WD
- DXD200** - 653WD
- DXD800** - 4769WD



BOTTOM VIEW - BASE PLATE REMOVED

78205 RESISTOR - 300 OHMS EACH

70724 INSULATOR

70724 INSULATOR

97349 BRACKET

73357 END ASSEMBLY TERMINAL

73357 END ASSEMBLY, TERMINAL

1028 SCREW
3640 WASHER, LOCK
2438 WASHER, FLAT1028 SCREW
3640 WASHER, LOCK
2438 WASHER, FLAT

89925 END TERMINAL

89925 END, TERMINAL

70887 NUT
2669 WASHER, LOCK

4871 BOLT

9686 RESISTOR UNIT ASSEMBLY 150-300-600 OHMS

70722 RESISTOR - 500 OHMS EACH

70724 INSULATOR

97349 BRACKET

73357 END ASSEMBLY, TERMINAL

73357 END ASSEMBLY, TERMINAL

1028 SCREW
3640 WASHER, LOCK
2438 WASHER, FLAT1028 SCREW
3640 WASHER, LOCK
2438 WASHER, FLAT

89925 END, TERMINAL

89925 END, TERMINAL

70887 NUT
2669 WASHER, LOCK

4871 BOLT

9751 RESISTOR UNIT ASSEMBLY 250-500-1000 OHMS

95938 CAPACITOR

95937 CAPACITOR

99354 CONTAINER

121927 STRAP

1038 SCREW
36273 WASHER, FLAT
2191 WASHER, LOCK78028 SCREW
95935 BUSHING
78905 WASHER, FIBER
7002 WASHER, FLAT
2191 WASHER, LOCK
3598 NUT

95636 COIL, RETARD

1266 SCREW
2191 WASHER, LOCK
7002 WASHER, FLAT
70873 CAP. MUSH HOLDER

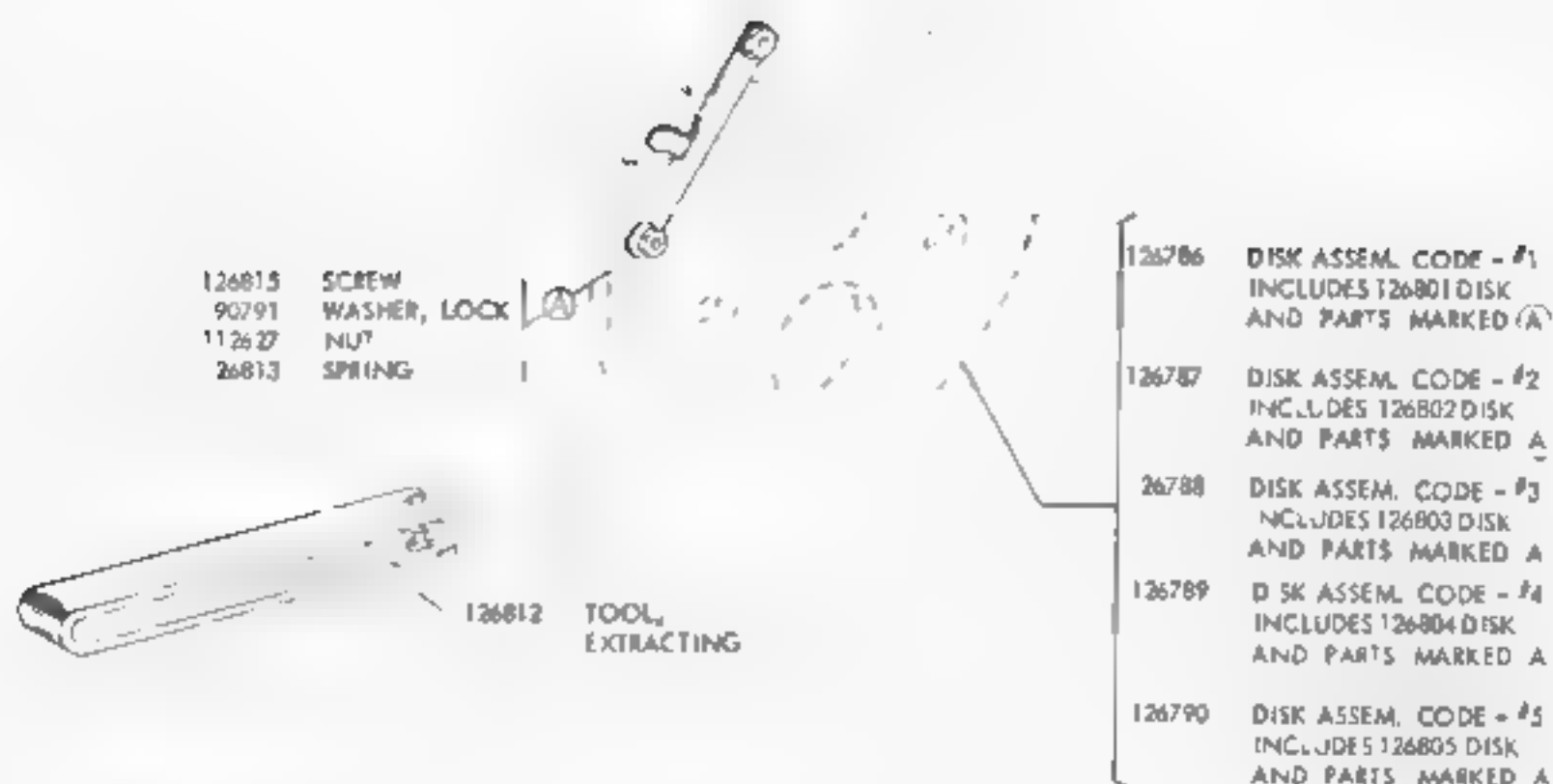
82474 TERMINAL

82702 SCREW
7032 WASHER, FLAT
2191 WASHER, LOCK
3598 NUT74059 SCREW
2191 WASHER, LOCK
7002 WASHER, FLAT
99357 STRAP, RETAINING
95938 CAPACITOR
99356 BRACKET

99355 BRACKET

153538 SCREW
2191 WASHER, LOCK
7002 WASHER, FLAT

99250 SUPPRESSOR ASSEMBLY

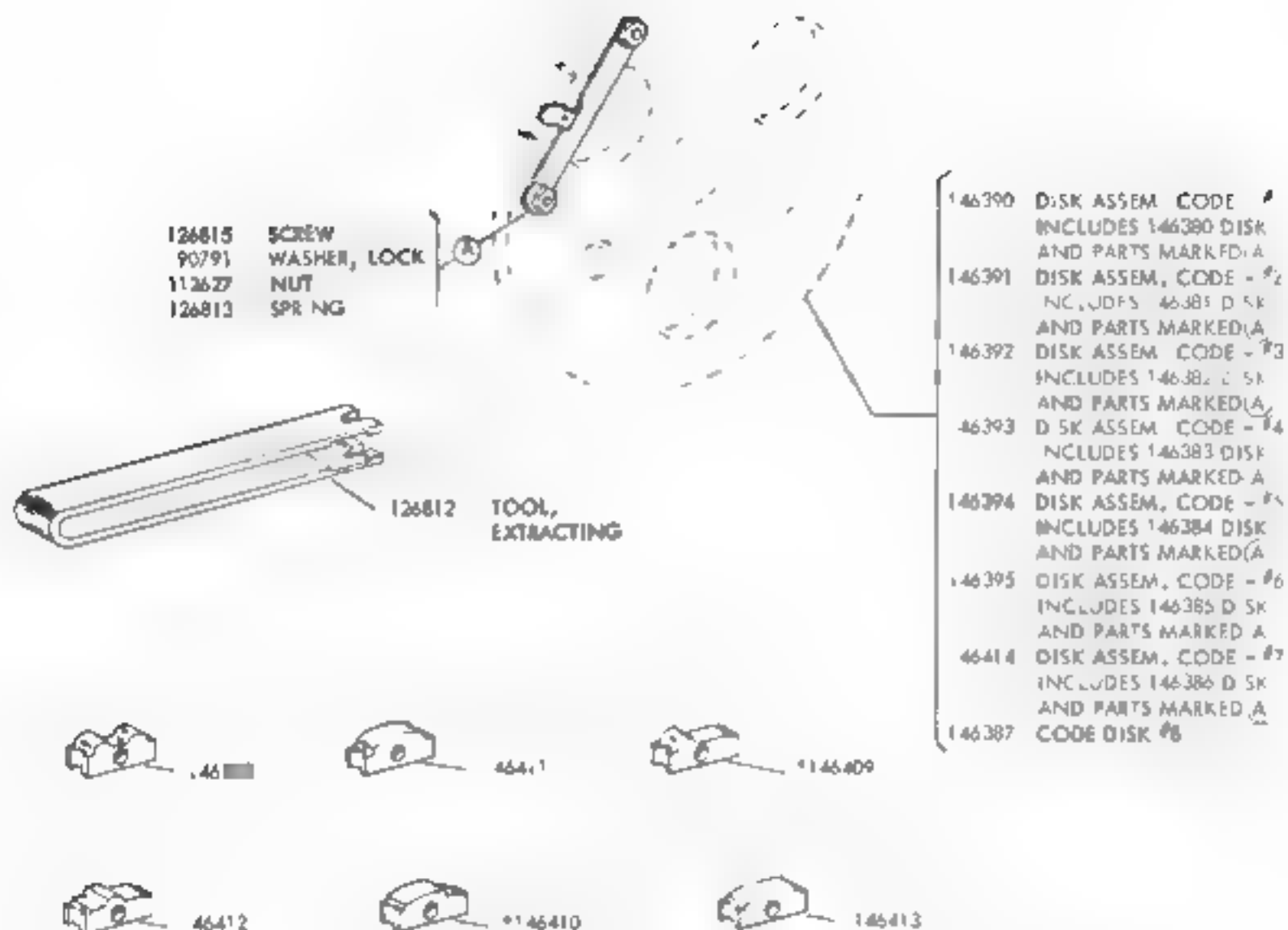


INTERCHANGEABLE SEGMENTS

*REVERSIBLE IN POSITION
SPECIFICATION 57155

CODE DISK	#1	#2	#3	#4	#5	#0
NEW STYLE ASSEMBLY NUMBER	126786	126787	126788	126789	126790	87406 (BLANK)
*OLD STYLE PART NUMBER	87145 87393 87409 87410 87411 87412 92433 104093 112585	87146 87394 87413 87414 87415 101273 104767 105172 107490	87147 87151 87395 87416 87417 87418 96475 96476 96477	87148 87152 87396 87419 87420 87421 96478 103798 2586	87149 87153 87397 87422 87423 87424 96479 103799 105173	87406
*WHEN AN OLD STYLE DISK IS ORDERED BY THE PART NUMBER STAMPED ON THE DISK, A NEW STYLE DISK WITH THE PROPER SEGMENT INSTALLED WILL BE FURNISHED.						

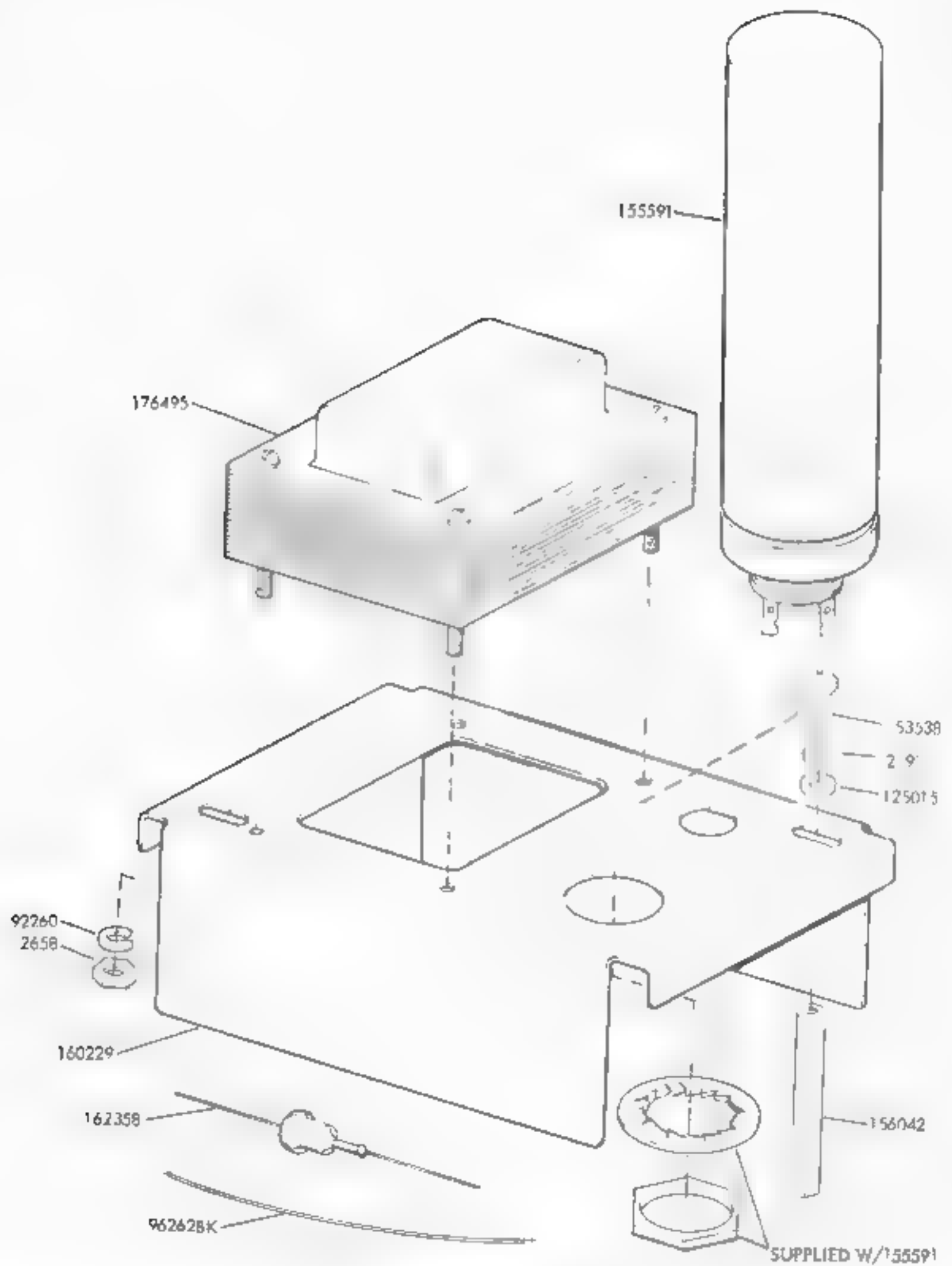
5836 MODIFICATION KIT TO EQUIP A 5 LEVEL DXD WITH INTERCHANGEABLE SEGMENT CODE DISKS



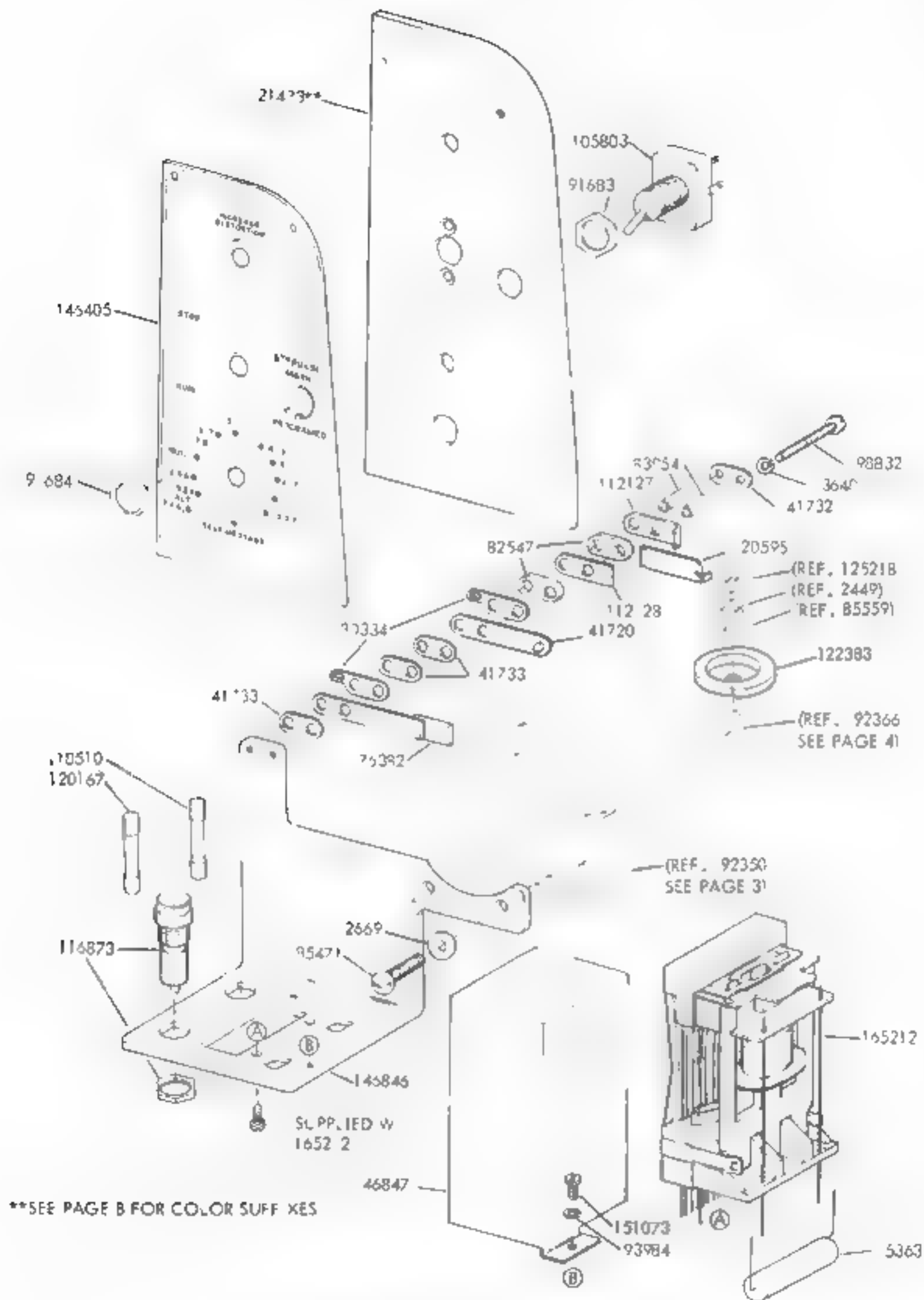
INTERCHANGEABLE SEGMENTS

*REVERSIBLE IN POSITION
SPECIFICATION 57155

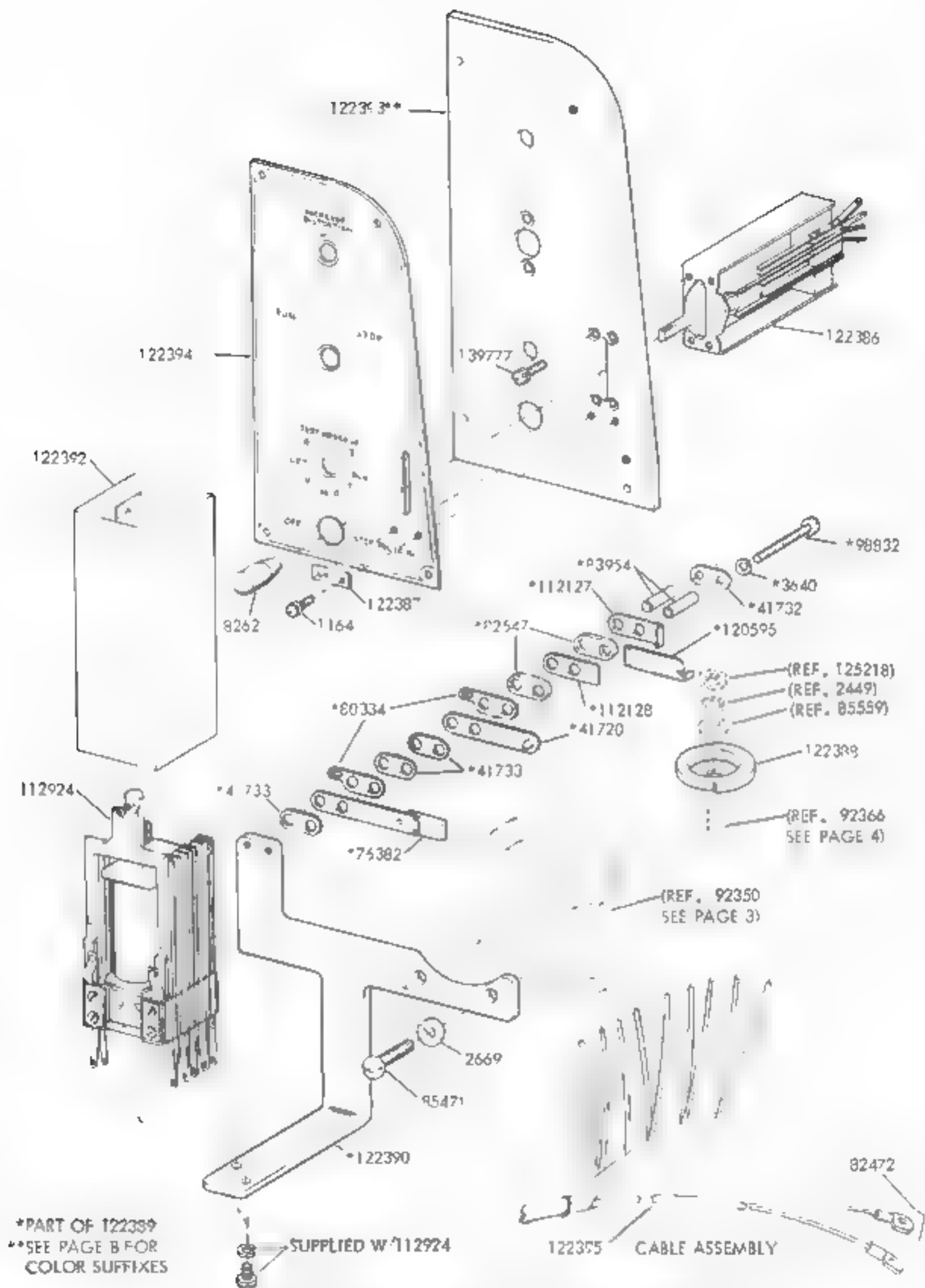
INTERCHANGEABLE SEGMENT CODE DISKS USED ON 3 LEVEL DXD



176496 RECTIFIER ASSEMBLY



**SEE PAGE B FOR COLOR SUFF XES



22391 MODIFICATION KIT FOR TRANSMISSION OF ALTERNATE R-Y SIGNALS

82287 MOTOR SYNCHRONOUS

(SEE BULLETIN 1,478 FOR
COMPLIMENT PAR 5)

5100. SCREW
2391 WASHER, LOCK
FOR SEC JR NG PINION

8884 BLACK TERMINAL
7495' NUCLEA TH

1019	SCREEN
24	VERA WILKSON
2002	YEN

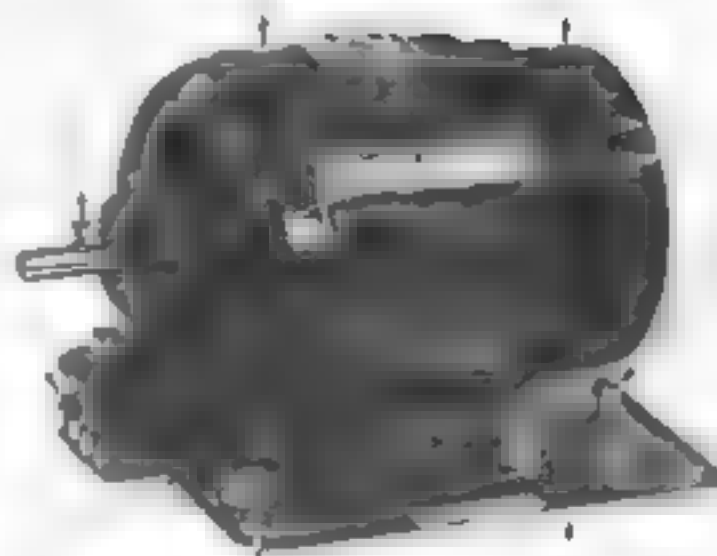
450	21 附 10
2439	21 附 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100
2440	21 附 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

73646 JCRW

764B4 FAN
50-45 SCREW
4 4 WASHER LOCK

4. f, g, h
 5. f, g, h
 6. f, g, h

409 P. 2 N(2)T 12



M S N H C A P F

PDF GENERATED BY

1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 2674, 2675, 2676, 2677, 26

SET	OPM	AS	AL	AP
134	HS			381-2
135	HS			4 53
136	HS			4 44
137	HS			
138	HS			
139	HS			
140	HS			
141	HS			
142	HS			
143	HS			
144	HS			
145	HS			
146	HS			
147	HS			
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191	HS			
192	HS			
193	HS			
194	HS			
195	HS			
196	HS			
197	HS			
198	HS			
199	HS			
200	HS			

80352 GOVERNOR ASSEMBLY
(SEE BULLETIN 11478 FOR COMPONENT PARTS)

916.7 SHIM, .010"
(BETWEEN GOVERNOR AND MOTOR)

153839 SCREW
2191 WASHER, LOCK
(FOR SECURING GOVERNOR)

05394 CABLE

7105 TARGET - 30 SPOTS

80341 GOVERNOR BRUSH AND
SPEED ADJUSTING BRACKET ASSEMBLY
(SEE BULLETIN 11478 FOR COMPONENT
PARTS)

1124 SCREW
112626 NUT
2669 WASHER, LOCK

53538 SCREW
2191 WASHER, LOCK
80335 PLATE, CLAMPING

(OR MOUNTING 80341 AND
99250 TO MOTOR PLATE)

99250 SUPPLEMENTAL CABLE
(SEE PAGE 6 FOR COMPONENT PARTS)

7661 LEVER, ADJUSTING
8222 STRIP, WEAR-ING
84047 STOP

151631 SCREW
2191 WASHER, LOCK
80330 WASHER

16992 SCREW
044.1 WASHER, LOCK

75646 SCREW
513 SCREW
2191 WASHER, LOCK
(FOR SECURING PINION)

122297 MOTOR, AC SERIES
(SEE BULLETIN 11478 FOR
COMPONENT PARTS)

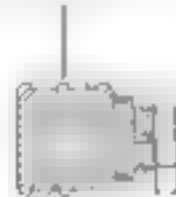
80884 BLOCK, TERMINAL
7499 INSULATOR
53719 SCREW
2191 WASHER, LOCK
7602 WASHER

74567 SCREW
2649 WASHER, LOCK
2846 WASHER

7409 PLATE, MOTOR

MU76 GOVERNED MOTOR UNIT

PINION (WITH HUB)

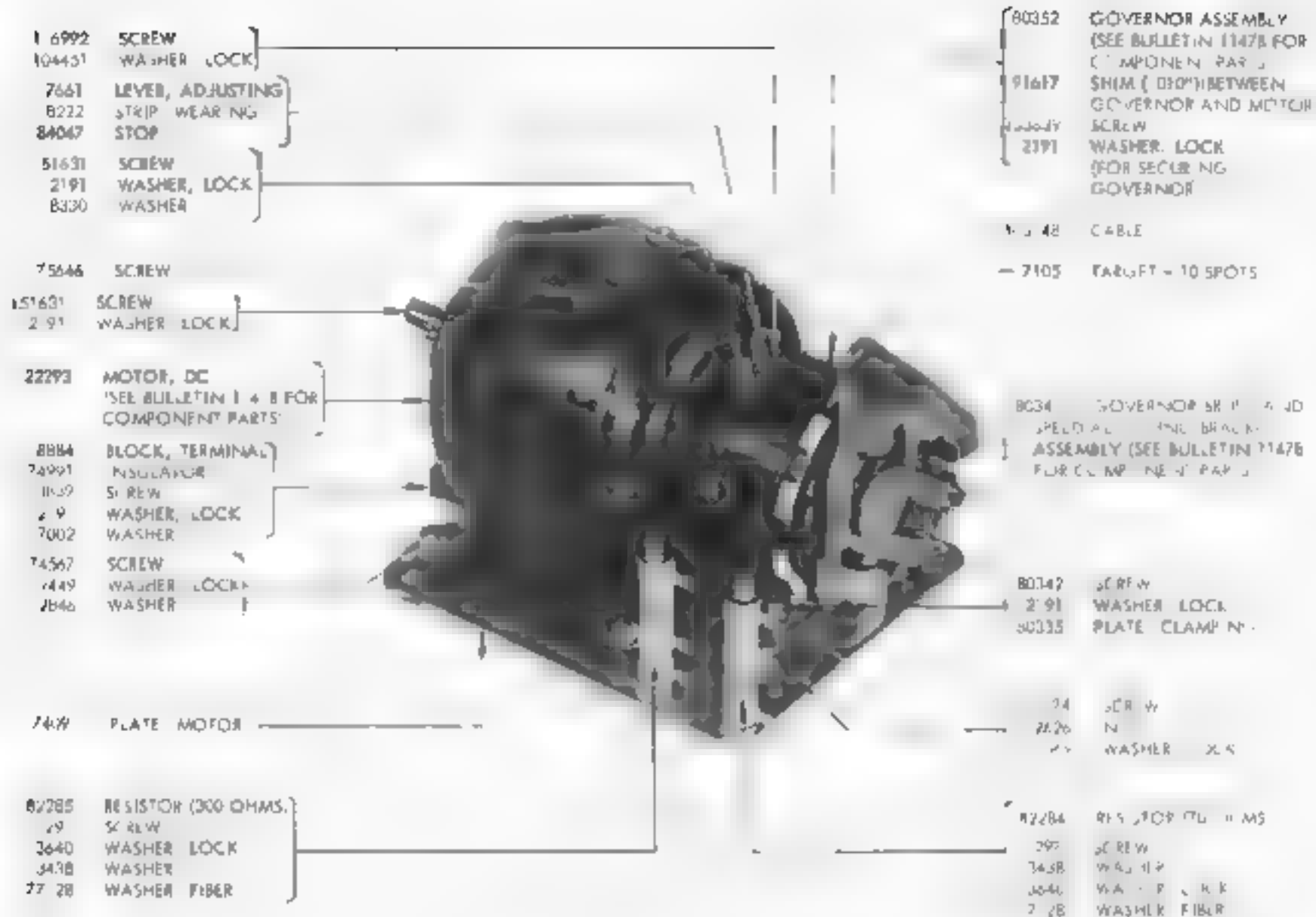


GEAR (WITH HUB)



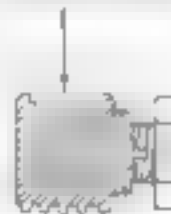
GEAR SETS FOR SERIES MOTORS (ORDERED SEPARATELY)			
SPEED (RPM)	GEAR SET	PINION	GEAR
368	9652	2665-7T	02668-40T
*404 - 5, Band	9672	2665-7T	02668-40T
420	122835	122836-9T	122837-45T
460	9672	122836-7T	107663-32T
525	122832	122833-9T	122834-36T
600	122830	122831-9T	122832-35T

* See 04994 speed index plate to achieve 2302 rpm on motor



M 29 GOVERNED MOTOR UNIT

PINION WITH HUB



GEAR WITH HUB



GEAR SETS FOR DC MOTORS (ORDERED SEPARATELY)			
SPEED (RPM)	GEAR SET	PINION	GEAR
18	76-2	256-7	67605-40T
42	127-35	256-9T	7765-45T
46	16-3	1666-7	67605-32T
180	128-2	256-9T	7765-46T
200	128-2	256-9T	7765-46T

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1109	Screw (10-32 x 7/32 Set) 11	36273	Washer, Flat 6	78469	Bumper, Rubber 1
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